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Reel #516
Shrayer, M.D.

APANOVICH, A.M., inzhener; MARTINOVSKIY, Ye.I., inzhener; SHRAYER, M.D.,
inzhener; CHERNYAK, I., redaktor; TRUKHANOVA, A., tekhnicheskaya
redaktor

[We are taking full advantage of the new equipment; experience of
leading lumbering enterprises in White Russia] Proizvoditel'no
izpol'zuem novuyu tekhniku; iz opyta peredovykh lesozagotovitel'-
nykh predpriyatii BSSR. Minsk, Gos.izd-vo BSSR, 1957. 51 p.

(MIRA 10:8)

1. Nauchno-tekhnicheskoye obshchestvo lesnoy promyshlennosti.
Belorusskoye respublikanskoye pravleniye
(White Russia—Lumbering)

SHRAYER, M.G.

History of the theory of potential in the works of W. Thomson.
Trudy Inst. ist. est. 1 tekhn. 34:103-109 '60. (MIRA 14:2)
(Potential, Theory of)

SHRAYER, N.M., inzh.

Effect of additives of surface-active substances on the
strength of steam-cured concrete. Trudy NIIZHB no.32:57-65
'63. (MIRA 17:1)

GEEASIMENKO, P.; SHEAYER, P.

Use trailers for transporting large crates. Avt.transp. 34 no.4:
13-14 Ap '56. (MLEA 9:8)

1. Avtobaza DOROTKA Oktyabr'skoy zheleznoy dorogi.
(Automobiles--Trailers)

SHRAYN, E.I. , and Led Lci—(M.) "Selection of surgical approach in
the operations on cancer of the ^{head} ~~cardium~~ and the lower part of the oesophagus. Len, 1958. 17 p (Min of Health USSR. Len Sanit Hygiene Med Inst), 200 copies (IL, 49-58, 123)

SHRAYER, T.I.

Selection of the surgical approach in surgery for cancer of the cardia and of the lower portion of the esophagus. Trudy LSGMI 39:206-219 '58. (MIRA 12:8)

1. Kafedra fakul'tetskoy khirurgii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof. P.N.Napalkov).

(STOMACH NEOPLASMS, surgery,
cardial (Rus))

(ESOPHAGUS, neoplasms,
pericardial, surg. (Rus))

SHRAYER, T.I. (g. Kemerovo, ul. N. Ostrovskogo, d. 42, Khirurgicheskoye otdeleniye)

Clinical observations on the distribution of cancer in the cardia and in the lower esophagus. Vop. onk. 5 no.1:62-65 '59. (MIRA 12:3)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.N. Napalkov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(STOMACH, neoplasms,
cardia, metastatic spreading (Rus))
(ESOPHAGUS, neoplasms,
lower portion, metastatic spreading (Rus))

SHRAYER, T.I.

Clinical and therapeutic aspects of diaphragmatic relaxation.
Vest.khir. 86 no.2:15-17 '61. (MIRA 14:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - zasluzh.
vrach RSFSR M.A. Podgorbunskiy) Kemerovskogo meditsinskogo
instituta.

(DIAPHRAGM—ABNORMALITIES AND DEFORMITIES)

TISHCHENKO, L.N.; SHRAYER, T.I.

Pneumomediastinography in the diagnosis of benign tumors and
cysts of the mediastinum. Vest. rent. i rad. 38 no.5:61-62
S-O'63 (MIRA 16:12)

1. Iz Kemerovskoy oblastnoy bol'nitsy (glavnyy vrach Ye.P.
Nechayeva, Nauchnyy rukovoditel' - zasluzhennyy vrach RSFSR
M.A. Podgorbunskiy).

SHIL'YAK, V.I.

Surgeon's tactics in treatment of cancerous
esophagus. Vor. onk. 11.11.41-45.

(MIRA 18:7)

1. Iz fakul'tetskoy knizhki lekarskykh spetsial'nostey. - zasluzhennyy
vrach RSFSR dotsent M.A. Shil'yakovskiy, 1-yy vuz vuzgo meditsinskogo
instituta (rektor - dotsent V.Ye. Shil'yakovskiy), nauchnyy konsul'tant
zasluzhennyy leyatel' nauch. i nauch.-issled. instituta.

SHRAYER, T.I., dotsent

Experience in the treatment of a perforated thoracic section
of the esophagus. Vest. khir. no. 6:38-42 '65. (MIRA 18:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - dotsent
M.A. Podgorbunskiy) Kemerovskogo meditsinskogo instituta.

[illegible]

| COMMON ELEMENTS | | | | | | | | | | PROCESS AND PROPERTIES INDEX | | | | | | | | | | COMMON VARIANTS INDEX | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|
| B | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | |
| <p>Automatic Butt Welding of Sheets, One of Which Is Bevelled. (In Russian.) M. R. Shtraelman. <i>Acetogenoe Delo</i> (Welding), v. 21, Apr. 1950, p. 6-10.</p> <p>Laboratory investigation of the above demonstrated that superior weld-seam characteristics are obtained for automatic butt welding under flux of steel sheets 11-30 mm. thick when the bevel of the edges to be joined together is unsymmetrical. This technique was found to save 17-40% of the usual time. Data are tabulated.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SERIES #1 | | | | | | | | | | SERIES #2 | | | | | | | | | | SERIES #3 | | | | | | | | | |
| A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | | | | | | | | | | A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | | | | | | | | | | A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | | | | | | | | | |

2380* Transfer of Manganese, Silicon, Phosphorus, and Sulfur From the Flux Into the Weld Metal During Automatic and Semiautomatic Welding With Coated Electrodes, 2 Mm. in Diameter. (In Russian.) B. B. Iskoz, M. B. Shraer-
man, and E. F. Petrov. *Actogennoe Delo* (Welding), v. 21, Oct. 1950, p. 10-13.

Investigation of the above for steel containing 0.35% Mn, 0.34% Si, 0.018% P, and 0.033% S showed that the content of Mn, Si, P, and S in the weld metal depends on welding conditions, particularly specific consumption of flux. Transfer of each element was investigated individually. Data are charted.

SHRAYERMAN, M. R.

USSR/Engineering - Welding, Processes Sep 51

"Concerning Transition of Phosphorus From Flux Into Metal of Weld in the Process of Automatic Welding," M. R. Shrayerman, Engr

"Avtogen Delo" No 9, pp 11-14

Investigates transition of phosphorus due to alloying of weld metal with metal beads, formed in flux as result of reactions of Mn and Si reduction, occurring in process of flux melting. Considerable temp rise in flux melting and prolonged holding of ready flux in furnace increase amt of metal beads in flux. Suggests strict control in this respect. Content of beads in flux should not excess 1 percent.

202T35

USSR/ Metallurgy - Welding, Sheet Metal Sep 52

"Semiautomatic Welding of Sheet Metal Constructions by Spot Angle Welds," M. R. Shrayerman, B. G. Yungel'son, Engineers, S. B. Petelina, Technician

"Avtogen Delo" No 9, pp 21-24

Considering welding under flux by means of spot angular welds as most effective method for welding penetrable joints of thin-plate constructions, discusses various elements of technology, such as geometrical parameters

232T80

of spot and their dependence on welding conditions, mechanical properties of spot, selection of spot dimensions and spacing of spots, materials and equipment, preparation for welding, and welding technique. Chief advantage of method is considerable decrease in deformation of constructions to be welded.

232T80

SHRAYERMAN, M. R.

135-58-5-5/17

AUTHORS: Shrayerman, M.R., Candidate of Technical Sciences, and
Petelina, S.B., Engineer

TITLE: Modification of Fused Fluxes by Metal and Mineral Additives
(Modifikatsiya plavlenykh flyusov metallichesкими i mineral'-
nymi dobavkami)

PERIODICAL: Svarochnoye Proizvodstvo, 1958, Nr 5, pp.14-16 (USSR)

ABSTRACT: A new method of modifying fused fluxes is suggested which
extends the possibilities of alloying the weld metal and
reduces the rust sensitivity of fused fluxes. The novelty
of the method consists in adding the alloying elements, or
a compound of alloying elements, directly into the liquid
molten flux, before pouring it out of the oven. These addi-
tions are supposed to be most effective when they are in the
form of non-solved and little oxidized particles within the
grains of flux. Two examples of modifying "OSTs-45"-flux
are described: 1) modification by a compound consisting of
46.19% Fe, 10.3% Mn, 13.7% Si, 18% Ti, 11.35% Al, 0.45% C,
0.011% S; 2) modification by a simple compound consisting
of 6% ferrosilicium and 4% fluorite. A new flux, "F-138-1"
was developed, made of 45% manganese ore, 30% quartz sand,

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Modification of Fused Fluxes by Metal and Mineral Additives 135-58-5-5/17

15% magnesite, and 10% fluoride, and modified by addition of 6% of ferro-alloy (with 15% Mn, 10% Al, 10% Si, and 20% Ti) and 5% fluorite. The rust-sensitivity of the flux "F-138-1" is characterized by the appearance of pores in weld metal with 0.8 g rust per 100 mm weld seam (compared to 0.4 g per 100 mm with unmodified flux "OSTs-45"). The authors state in conclusion that the suggested method gives less possibility of alloying weld metal than the method of alloying it by means of special electrode grades, and that further study is needed.

There are 3 graphs and 3 tables.

ASSOCIATION: TsNIITS

AVAILABLE: Library of Congress

Card 2/2

SHRAYERMAN, N. R. (Edg.)

"Welding Equipment Development Problems in Shipbuilding,"

All-Union Conference on Prospects and Trends of the Development of Electric
Welding Equipment in the USSR, from 1952-1965.

Svarchnoye Proizvodstvo, 1958, Nr 6, pp 13-17.

SHRAYERMAN, M.P., kand.tekhn.nauk

Conference on prospects for the mechanization and expansion of the practice of welding in protective atmospheres in shipbuilding. Svar.proizv. no.7:42-43 J1 '60.

(MIRA 13:7)

(Shipbuilding) (Welding—Equipment and supplies)
(Protective atmospheres)

S/135/62/000/009/001/004
A006/A101

AUTHORS: Shrayerman, M. R., Candidate of Technical Sciences, Nikonov, A. V.,
Engineer

TITLE: The effect of the conditions of semi-automatic welding in carbon
dioxide upon the mechanical properties of the weld metal

PERIODICAL: Svarochnoye proizvodstvo, no. 9, 1962, 19 - 22

TEXT: The cooling rate of the weld and weld-adjacent metal was taken as the
basic criterion to determine the dependence of their mechanical properties on the
welding conditions. Grade 09Г2 (09G2) and CXJL-4 (SKhL-4) steel 20 mm thick,
were multi-pass welded with 1 mm diameter СВ08Г2С (Sv-08G2S) wire. Mechanical
tests show that the mechanical properties of the weld metal and the weld-adj-
cent zone depend upon the welding conditions. This dependence is illustrated by a
series of graphs. The mechanical properties can be regulated in a wide range. When
Sv-08G2S wire is used, and proper welding conditions are employed, the weld metal
strength may equal that of the base metal in steels with a yield limit up to
45 kg/mm². Stability of the welding process, and satisfactory seam formation are
assured by welding in carbon dioxide with 1.0 and 1.2 mm wire, at 80 - 170 amps
and 120 - 200 amps current intensity and 6 - 26 and 8 - 26 m/hour welding speed.
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S/135/62/000/009/001/004
A006/A101

The effect of the conditions of...

respectively. The mean value of the effective efficiency of the process can be assumed to be 0.65. Conditions for welding steel grades of various strength are given in table 6. There are 6 tables and 5 figures.

Table 6

| Толщина сваривае- мых листов в мм (a) | 1 Предел текучести 35 кг/мм ² | | | | | 2 Предел текучести 40 кг/мм ² | | | | | 3 Предел текучести 45 кг/мм ² | | | | |
|--|--|-----------------------|------------|-----------------------------|-----------------|--|-----------------------|------------|-----------------------------|-----------------|--|-----------------------|------------|-----------------------------|-----------------|
| | b) I _{св} в а | c) U _д в в | d) v в м/ч | e) q _д в ккал/см | f) W в град/сек | b) I _{св} в а | c) U _д в в | d) v в м/ч | e) q _д в ккал/см | f) W в град/сек | b) I _{св} в а | c) U _д в в | d) v в м/ч | e) q _д в ккал/см | f) W в град/сек |
| 10 | 160-170 | 22-24 | 10-12 | 2000 | 20 | 160-170 | 22-24 | 11-16 | 1500 | 40 | 160-170 | 22-24 | 16-20 | 1150 | 70 |
| 15 | 160-170 | 22-24 | 6-8 | 3000 | 21 | 160-170 | 22-24 | 8-10 | 2500 | 40 | 160-170 | 22-24 | 12-14 | 1700 | 70 |
| 20 | 180-200 | 23-24 | 6-8 | 3700 | 30 | 180-200 | 22-24 | 8-10 | 2800 | 40 | 160-170 | 22-24 | 11-13 | 1800 | 70 |
| 25 | 180-200 | 23-24 | 6-8 | 3700 | 34 | 180-200 | 22-24 | 7-9 | 3300 | 40 | 160-170 | 22-24 | 11-13 | 1800 | 70 |
| 30 | 180-200 | 23-24 | 6-8 | 3700 | 36 | 180-200 | 22-24 | 7-9 | 3300 | 40 | 160-170 | 22-24 | 11-13 | 1800 | 70 |

Legend: 1 - Yield limit 35 kg/mm²; 2 - Yield limit 40 kg/mm²; 3 - Yield limit 45 kg/mm². a - Thickness of welded sheets in mm; b - Current intensity in amps; c - Voltage in v; d - speed in m/h; e - linear energy of arc in cal/cm; f - W cooling rate in degree/sec.

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SHRAYERMAN, M.R., kand.tekhn.nauk; NIKONOV, A.V., inzh.

Effect of conditions of semiautomatic welding in carbon
dioxide on the mechanical properties of the weld metal.
Svar. proizv. no.9:19-22 S '62. (MIRA 15:12)
(Electric welding)
(Protective atmospheres)

SHRAYERMAN, M.R. (Leningrad)

Methods of determining the degree of mechanization of welding
operations in shipbuilding. Avtom. svar. 17 no.7:83-89 JI '64.
(MIRA 17:8)

SHRAYEROVA

POLAND/Chemical Technology. Cellulose and its Derivatives.

H

Abs Jour: Ref. Zhur-Khimiya, No 12, 1958, 41816.

Author : Markhlewska - Shrayerova, Boguslavsky
Inst : Not given.
Title : Rice Straw - a Raw Material for Paper Industry in
Hungarian Republic.

Orig Pub: Przegl. papiern., 1956, 12, No 11, 321-325.

Abstract: The utilization of rice straw in the paper industry was studied in the Research Institute of Cellulose and Paper in Budapest. The pulp was processed by "soda-monosulfite" method at an experimental plant in Sholpoke on the Tissa River. The ratio of SO_2 : Na_2O is 0.4 and 13% of the liquor ratio to the completely dry fibers. The cellulose (C)

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311, 11/11/11 7/24
 USSR, Physics - Semiconductors

FD-3103

Card 1/1 Pub. 153 - 7/24

Author : Korenblit, L. L.; Shrayfel'd, T. Ya.

Title : Theory of well conducting semiconductors
 I. Equilibrium of electron gas in semiconductors

Periodical : Zhur. tekhn. fiz., 25, No 6 (June), 1955, 1019-1025

Abstract : The purpose of the present article is a detailed investigation into the conditions governing the equilibrium of current carriers in semiconductors, which will permit one to find the temperature dependence of the electrical, thermoelectrical and other properties of degenerate and nondegenerate semiconductors. The authors conclude that in a semiconductor with mixed conductivity the state of the electron gas close to transitional state (i.e. μ very small) can occur only at low temperatures for suitable favorable conditions; at higher temperatures the chemical potential lies mainly in the middle band of the forbidden zone and its dependence on temperature can be insignificant. The author obtained the well known formulas for the temperature dependence of chemical potential in nondegenerate semiconductors, but more precise expressions are required in the case of degeneracy. The authors thank Professor A. G. Samoylovich for comments. Four references: e.g. A. G. Samoylovich, Dopovidi AN USSR, No 3, 1954

Institution :

FD-3195

USSR/Physics - Semiconductors

Card 1/1 Pub. 153-1/28

Author : Korenblit L. L. and Shrayfeld T. Ya.

Title : Theory of semiconductors with good conductivity. II. Electric Conductivity, Thermo-e.m.f., Hall's Effect.

Periodical : Zhur. Tekh. Fiz., 25, No 7, 1182-1189, 1955

Abstract : Temperature effect on electric conductivity, thermo e.m.f. and Hall's effect in degenerated gases are analyzed. For simplification of computation only one cause of current scattering, lattice oscillations (phonons) is taken into account. Generalized results of these relations in the case of many scattering mechanisms of current carriers, as discussed in the work by A. Anselm and V. Klyachkin (ZhETF, 22, 3 (1952) lead to too cumbersome computations. Indebted to Prof. A. G. Samoylovich. Eight references, 3 foreign.

Institution :

Submitted : July 27, 1954

AVERIN, Ivan Vasil'yevich; KABANOV, Nikolay Nikitich; VILL', V.I.,
inzh., retsenzent; SHRAYMAN, I.B., inzh., red.; LEYKINA, T.L.
red. izd-va; KAPLANSKIY, Ye.F., tekhn. red.

[Friction welding in the manufacture of tools; from practices
of the Sestroretsk Tool Manufacturing Plant named after Voskov]
Svarka treniem v instrumental'nom proizvodstve; iz opyta Sestro-
retskogo instrumental'nogo zavoda imeni Voskova. Moskva, Mash-
giz, 1962. 72 p. (MIRA 15:12)

(Leningrad--Tool and die industry) (Tools--Welding)

LITVIN, F.L.; PAVLOV, G.G.; SHRAYMAN, I.B.; YABLONSKIY, N.S.;
ZISKINDOVICH, V.A.; SHALYUGA, N.I., red.

[Gear-cutting machines for cutting noncircular gear wheels].
Zubonareznye stanki dlia narezaniia nekruglykh koles. Leningrad, 1964. 20 p. (Leningradskii dom nauchno-tekhniche-
skoi propagandy. (bmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metallov, no.1) (MIRA 17:7)

SHRAYMAN, L. I.

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SHRAYMAN, L. I.

SHRAYMAN, L. I. PRIMENENIYE SHPURUYKH ZARYADOV VV LIVELICH*
ENNOGO DIAMETRA. M., 1954 40 SS ILL 22SM (M-V) UGOL'NOY PROM-
STI SSSR TEKH. ~~U~~R TSENTR. IN-T TEKHN INFORMATSII USEOY UZ
NAUCH ISSLED. IN-T ORGANIZATSII I MEKHANIZATSIT SHAKTNOGO
STROITEL'STVA VNIIONSHS) 4.000EKZ BESPL NA OBL AUT NE
UKAZAN - (55-1983)P
622.333:622.234 plus 622.235

SO: KNIZHANYA LETOPIS' F. 6. 1955

SHRAYMAN, L. I.

SHRAYMAN, L. I.; SHAMRAY, G. A.

Discussing the duration of boring and blasting work in exploding blast hole VV charges of increased diameter. Ugol' 30
no. 4:12-15 Ap '55. (MIRA 8:6)

1. VNIIONShS

(Coal mines and mining) (Blasting)

SHRAYMAN, L., inzhener.

Dry dust collection. Mast. ugl. 6 no. 2:15-16 P '57.

(MIRA 10:4)

(Mine dusts)

GALABURDA, Aleksandr Fedorovich.; SHRAYMAN, Lev Iosifovich.; SHEBLO, Ye.P.,
nauchnyy red.; DETINA, G.A., red.; GILSON, P.G., tekhn. red.

[Kaolin production] Proizvodstvo kaolina. Moskva, Gos. izd-vo lit-ry
po stroit., arkhitekt. i stroit. materialam, 1958. 191 p. (MIRA 11:12)
(Kaolin)

Shrayman, L.I.

KRSTOSHEVSKIY, L.S.; DANCHICH, V.V.; AVDIYENKO, T.G.; ARKHANGEL'SKIY, A.F.;
GAK, A.M.; YEPIFANTSEV, Yu.P.; ZELINSKIY, V.M.; IVANOV, P.S.; IVASHCHENKO,
P.R.; KALININA, M.D.; KHAVCHENKO, A.G.; KOTLYAROVA, A.V.; KRUGLYAKOVA,
M.D.; LEVIKOV, I.I.; LIBKIND, I.I.; NIKOLAYEVA, N.A.; NAUMENKO, V.F.;
PRESHMAN, I.B.; PRISYAZHNIKOV, V.S.; POBEDINSKAYA, L.P.; POKALYUKOV,
S.N.; POPOV, A.A.; SOLOMENTSEV, M.N.; TARASOV, I.V.; FILONENKO, A.S.;
SHISHOV, Ye.L.; ~~SHRAYMAN, L.I.~~; YAKUSHIN, N.P.; ZVORYKINA, L.N., red.
izd-va; LOMILINA, L.N., tekhn.red.

[Horizontal mining in foreign countries] Provedenie gorizonta'nykh
vyrabotok za rubezhom. Moskva, Ugletekhizdat, 1958. 342 p. (MIRA 12:4)

1. Kharkov. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii shakhtnogo stroitel'stva.
(Mining engineering)

SHRAYMAN, Lev Iosifovich; SUKHORUKOV, I.D., otv.red.; RUSANOV, V.F.,
red.izd-va; DANILEVSKAYA, R.A., tekhn.red.

[Machine charging and stemming of boreholes] Mekhanizatsiia
zariazhanii i zaboiki shpurov. Alma-Ata, TSentr.in-t nauchno-
tekhn.informatsii, 1959. 26 p. (MIRA 13:6)
(Mining engineering)

BROVMAN, Ya.V., inzh.; KHANIN, A.M., inzh.; VASIL'YEV, A.A., inzh.;
SHRAYMAN, L.I.; POPOV, A.A.; KALININA, M.D.

Results of testing new boring bits. Shakht. stroi. 4 no. 6:8-
12 Je '60. (MIRA 13:11)

1. Kombinat Stalinshakhtostroy (for Brovman, Khanin).
2. Trest Stalinshakhtostroy (for Vasil'yev).
3. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Shrayman, Popov, Kalinina).
(Boring machinery)

BROVMAN, Ya.V.; SHRAYMAN, L.I.

Bore bits of new design. Gor. zhur. no. 11:51-53 N '60.
(MIRA 13:10)

1. Kombinat Stalinshakhtostroy (for Brovman). 2. Ukrainskiy
nauchno-issledovatel'skiy institut organizatsii i
mekhanizatsii shakhtnogo stroitel'stva (for Shrayman).
(Boring machinery)

SHRAYMAN, L.I., inzh.; PANKRATOV, S.N., inzh.

Device for removing bits from boring bars. Shakht. stroi.
5 no. 1:26 Ja '61. (MIRA 14:2)

- 1. Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.
(Boring machinery)

SHRAYNER, K.K.

The NT-24 automatic multicut lathe. Biul.tekh.-ekon.inform.
no.5:33-34 '61. (MIRA 14:6)
(Lathes)

CZECHOSLOVAKIA

SHRBENY, Otakar

Central Geological Institute (Ustredni ustav
geologicky), Prague

Prague, Vestnik ustredniho ustavu geologickeho,
No 2, March 1966, pp 105-110

"Fossil-weathered basaltic rock underlying the
Miocene deposits near Borislav, Ceske stredohori
mountains."

SHRBENY, Silvestr; VACLIK, Jan

Effect of mechanical stress on the magnetic qualities of
oriented transformer steel. Sdel tech 10 no.1:2-3 Ja '62

L 22189-65 EWT(m)/EWG(s)-2/EWP(j) Pc-4/Pw-4 BM

ACCESSION NR: AR4049234

S/0081/64/000/014/S070/S070

SOURCE: Ref. zh. Khimiya, Abs. 14S480

AUTHOR: Verzal, A. I.; Ponomarev, M. A.; Rayetskaya, D. Ya.;
Shreder, A. G.

TITLE: Properties and application of polymer-based concretes and mortars

CITED SOURCE: Sb. Proiz-vo-stroit. izdeliy iz plastmass. Minsk, Vyssh. shkola, 1963, 218-239

TOPIC TAGS: polymer based concrete, plastic concrete, polymer based mortar, plastic mortar, polymer concrete property, polymer concrete application, organic admixture

TRANSLATION: The authors discuss the properties and fields of application of various types of concrete mixed with mineral and synthetic binders as a base. It is indicated that admixtures of low molecular weight organic substances

L 22189-65

ACCESSION NR: AR4049234

(i.e. surface active agents and plasticizers) or polymers strongly affect the structuration processes occurring in concrete, as well as its physical and mechanical properties. For instance, changes in plasticity, decreased water absorption, significant improvements in strength and other phenomena are noted when divinyl styrene latex SKS-65GP, polyvinyl acetate emulsions, as well as phenolformaldehyde, melamine formaldehyde or phenolfurfural resins are mixed with semihydrate gypsum. An analysis is given of the mechanism of effects produced by organic admixtures on the properties of plastic concrete. For example, improved strength and lower water absorption of polymer gypsum containing thermosetting phenolformaldehyde resin is explained in terms of the latter filling the pores of the gypsum structure and of the additional reinforcement provided as the resin hardens. The article describes the properties of polymer-silicate light concrete on a base of an agloporite silicate binder with synthetic resins (furylaniline, ureaformaldehyde, phenylformaldehyde) added or on a base of silicon organic binders (i.e. water glass and silicon ethyl ether — silicate KS). The authors also review the literature concerning formulation of polymer-cement concrete and mortar, organo-mineral concrete (i.e.

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L 22189-65

ACCESSION NR: AR4049234

plastic concrete), the study of properties of these materials and the feasibility of their use in construction. 2. Ivanova

SUB CODE: MT

ENCL: 00

VLADYCHINA, Ye. N.; BREDIS, E.E.; SHREDER, A.G.

Protection from staining of supporting devices used in
the electrostatic painting of articles. Lakokras. mat.

i ikh prim. no.3:27-33 '61.

(MIRA 14:6)

(Painting, Industrial)

KUZNETSOV, V.V.; SHREDER, A.G.

Pecan as a frost resistant nut crop. Trudy Bot.inst.Ser.6 no.7:
169-170 '59. (MIRA 13:4)

1. Plodo-yagodnyy institut im. R.R.Shredera AN UZSSR, Tashkent.
(Tashkent--Pecan)

USSR / Cultivated Plants. Fruit Trees. Small
Fruit Trees.

M-7

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73151.

Author : Kuznetsov, V. V.; Shreder, A. G.

Inst : Not given.

Title : The Pecan - A Forst-Resistant Crop.

Orig Pub: Sad 1 ogorod, 1958, No 1, 53-55.

Abstract: In Tashkentskaya Oblast, pecan trees survive frosts
to minus 27° and bear fruit; valuable forms have
been brought out.

Card 1/1

137

USSR / Cultivated Plants. Subtropical. Tropical. M-6

Abs Jour: Ref Zhur-Biol., NO 6, 1958, 25212

Author : Kuznetsov, V. V., ~~Shreder, A. G.~~
Inst : The Fruit and Berry Inst. of the Academy of
Sciences, Uzbek SSR
Title : Pecan Varieties for Tashkentskaya Oblast'

Orig Pub: Byul. nauchno-tekhn. inform., 1957, vyp. 1, 16-18

Abstract: The study of the pecan (*Caria olivoformis*) was begun in 1943 by the Fruit and Berry Institute of the Academy of Sciences, Uzbek SSR, and has shown that under the conditions prevalent in Tashkent the vegetation period lasts 200-220 days. The pecan is more frost-resistant than the walnut, starts to bear fruit from its 13th year and yields 10-16 kg. of nuts from a single tree. Late flowering at the end of May protect the pecan from spring

Card 1/2

MIRZAYEV, M.M.; KUZNETSOV, V.V.; CHEREVATENKO, A.S.; CHERNOVALOVA,
V.P.; TOSHMATOV, L.T.; KUL'KOV, O.P.; AMINOV, Kh.;
ZHIVOTINSKAYA, S.M.; SHREDER, A.G.; LEPLINSKAYA, A.A.;
PAVLOV, A.K.; SHAPIROV, S.R.; KALMYKOV, S.S.; YAGUDINA,
S.I.; GULYAMOV, Kh.; DZHALALOV, Dzh. [translator];
SAIDAKHMEDOV, S. [translator]; BONDARENKO, M., red.;
KADYROVA, R., red.; BAKHTIYAROV, A., tekhn. red.

[Fruit of Uzbekistan] Frukty Uzbekistana. Tashkent, Gos.
izd-vo UzSSR, 1960. 6 books in fold. Abrikos, persik,
sliva. 84 p. Granat, inzhir, khurma. 40 p. Iablonia,
grusha, aiva. 96 p. Mindal', orekh. 26 p. Vishnia,
chereshnia. 18 p. Zemlianika, malina, smorodina. 36 p.

(MIRA 16:7)

(Uzbekistan--Fruit--Varieties)

-SHREDER, 194
KNEREL', G.M.; LERNER, Ya.N.; POZDEYEV, V.I.; POPOV, V.A.; REZNIK, M.Ya.;
REYFER, Ya.A.; SKACHKOV, A.I.; STEPANOV, M.N.; KHAL'TUNEN, V.V.;
KHRAPOVA, Ye.I.; SHREDER B.L.; STERTSER, O.N.; AVRUSHCHENKO, R.A.,
red.; KONYASHINA, A.D., tekhn.red.

[Fifty years of the Leningrad tramway] 50 let leningradskogo
tramvaia. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1957. 231 p.
(MIRA 11:1)

(Lening 1--Street railways)

KUTYLOVSKIY, Mikhail Petrovich; KOBOZEV, Vadim Mikhaylovich;
SHREDER, Boris Leonidovich; KHAVIN, Mikhail Nikolayevich;
CHERTOK, M.S., red.

[Mechanical equipment of the rolling stock of street rail-
roads] Mekhanicheskoe oborudovanie podvizhnogo sostava tram-
vaia. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 405 p.
(MIRA 17:7)

BUNCHUK, L.G.; MAKSIMOV, Ya.M.; SHREDER, B.L.

Pneumatic drive for the lifting and lowering of the brush
cylinders of the IS-3 snow remover. Rats. predl. na gor.
elektrotransp. no.9:80-81 '64. (MIRA 18:2)

1. Gruzovoye depo Tramvayno-trolleybusnogo upravleniya Lenin-
grada.

MEL'NIK, P.M.; SHREYBER, B.Ye.; TRUBMAN, S.V.

Cold chrome plating of machine parts. Zhur.prikl.khim. 36 no.3:
670-671 My '63. (MIRA 16:5)
(Chromium plating)

IDEL'CHIK, V.N.; SHREDER, I.B., inzh.

Automatic regulation of compressor units. Zhel. dor. transp.
40 no.9:74 S '58. (MIRA 11:10)

1. Nachal'nik motorovagonnogo depo, Riga (for Idel'chik). 2. Moto-
rovagonnoye depo, Riga (for Shreder)
(Air compressors)

KRASNOBAYEV, N.I. (Riga); MAKARENKO, I.T. (Riga); SHREDER, I.B. (Riga)

Electric contact and battery type train. Zhel.dor.transp. 44
no.11:55-58 N '62. (MIRA 15:11)

1. Nachal'nik Latviyskoy dorogi (for Krasnobayev). 2. Glavnyy
inzhener Latviyskoy dorogi (for Makarenko). 3. Glavnyy inzhener
lokomotivnogo depo Zaslauk (for Shreder).
(Latvia—Electric railroads)

SHREDER, K.; REKITAR, Ya.

Making and using large blocks in the German Democratic Republic.
Stori. mat. 4 no.4:35-37 Ap '58. (MIRA 11:5)
(Germany, East--Building blocks)

SHREDER, K.G., inzhener-ekonomist, aspirant iz Germanskoy Demokraticheskoy Respubliki

Methods for determining standards of industrialization in housing construction. Trudy MIEI no.14:402-411 '59.
(MIRA 13:1)

1. Moskovskiy inzhenerno-ekonomicheskii institut.
(Precast concrete construction)

| 1ST AND 2ND ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | | 3RD AND 4TH ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | |
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| COMMON ELEMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | SPECIAL ELEMENTS | | | | | | | | | | | | | | | | | | | | | | | | | |
| C A | | | | | | | | | | | | | | | | | | | | | | | | | | 116 | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Physicochemical blood changes in experimental atherosclerosis. I. Lipoid content, surface tension, albumin, viscosity and dispersion of the serum. V. Shredel, A. Shutova, L. Utevskaia and G. Kalashnikov. <i>Biol. Z. (U.S.S.R.)</i> 3, 64-86 (1934).—Feeding cholesterol to rabbits increased the serum cholesterol content, the phosphatides, and fat acids. The capillary activity increased in parallel with the cholesterol content. Surface tension changes paralleled changes in fat acids and phosphatides. Serum globulin increased more in male than female rabbits. The viscosity of the serum was associated with changes in serum colloids. II. <i>Ibid.</i> 87-93.—With increase in serum cholesterol in rabbits, the osmotic pressure of the serum becomes stabilized, and free water is stored in the tissues. This effect is less pronounced in female than in male rabbits. III. <i>Ibid.</i> 94-101.—With the development of atherosclerosis in rabbits, the dialyzable Ca of the blood decreases on the twenty-first day and increases after the forty-second day; the total Ca content increases after the sixtieth day of feeding. IV. <i>Ibid.</i> 102-11.—During the summer the oxidation-reduction potential of rabbit blood was reduced, but not in winter. The pH of the rabbit serum did not change. A slight increase in alk. reserve developed, associated with lipemia. Abstracted through <i>Rev. ges. Physiol. expil. Pharmacol.</i> 83, 357 R. James C. Munch</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 1ST AND 2ND ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | | 100 AND 5TH ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PROCESSES AND PROPERTIES INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | 100 AND 5TH ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><i>The physical-chemical blood picture of female rabbits during experimental atherosclerosis. V. N. Shreder. Biol. Zhur. 4, 507-10(1935); Chem. Zentr. 1937; I, 1975. Exptl. atherosclerosis was produced by feeding rabbits a 5% soln. of cholesterol in sunflower-seed oil. The blood picture of the colloidal-chem. changes obtained for female animals differed from that of the male animals. With the females the cholesterol content of the serum increased very decidedly at the beginning of the cholesterol administration and then decreased toward the end, while with the male animals the increase continued during the whole period of administration. The same was true of the fat acids in the blood. The lecithin content increased up to a certain max. with both sexes. The surface tension increased in female animals toward the end of the feeding period, while in male animals a reduction was observed. With increase in the cholesterol and globulin in the serum the general colloidal-chem. condition of the serum colloids also changed. The sp. viscosity increased and the serum became coarsely disperse. These observations indicate that the lipid regulation in the female animal takes place in a different manner than in the male so that another pathological-anatomical picture is to be expected in atherosclerosis in female animals. M. G. Monne</i></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ASACSLA METALLURGICAL LITERATURE CLASSIFICATION</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CA

11A

1ST AND 2ND ORDER PROPERTIES AND PROPERTIES INDEX 1ST AND 4TH ORDER

The nature of the electric charge on living cells. V. N. Shredel. *Biol. Zhur.* 5, 657 (1936); *Chem. Zentr.* 1937, II, 3140. —All previously investigated plant cells upon subjection to cataphoresis show a neg. charge, which is due to the chem. structure of the cell colloids. The majority of animal cells likewise show a neg. charge with the exception of frog leucocytes, frog eggs and the eggs of certain invertebrate sea animals. Expts. show that mammal sperm cells also may show migration in both directions in cataphoresis expts. The simultaneous detn. of the oxidation-reduction potential in the blood and of the cataphoretic velocity of the red blood cells of rabbits after the animals had received a sublethal dose of KCN or during anaphylactic shock indicated that the lowering of the oxidation-reduction potential is always accompanied by a reduction in the cataphoretic potential. This verifies the conclusion that the latter is closely assocd. with life processes in the cell. M. G. Moore

COMMON ELEMENTS

COMMON VARIABLE INDEX

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDER PROPERTIES AND PROPERTIES INDEX 1ST AND 4TH ORDER

SHREDER, V. N.

"The physical-chemical analysis of sperm physiology Communication VI. The electric charge of rabbit sperm." Department of Physical Chemistry (Chief: V. N. Shreder), Institute of Experimental Biology (Dir: E. K. Koltsov), Moscow. (p. 690) by Shreder, V. N.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. V, 1936, No. 4

SHREDER, V. N.

"The physical-chemical analysis of spermphysiology. VII. The physico-chemical nature of the biological colloids of sperms which migrate to the anode and to the cathode." (p. 1235) Chief of the Phyico-Chemical Department, Institute of Experimental Biology (Director: Academician N. K. Koltsov), Moscow. by Shreder, V. N.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, Nos. 5-6

SHREDER, V. N.

"Oxidation Processes And Lipo-Metabolism During Anaphylaxis In Rabbits. Physico-Chemical Department (Chief: V. N. Shreder) Institute Of Experimental Biology (Director: N. K. Koltsov Moscow." (p. 777) by Shutova, A. A.

SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII, 1938 No. 4

SHREDER, V. N.

"The Influence of KCN On The Oxidation Processes In The Animals. Communication II. Physico-Chemical Department (Chief: V. N. Shreder) Institute Of Experimental Biology (Director: N. K. Koltsov); Moscow." (p. 793) by Platova, T. P.

SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII, 1938, No. 4

SHREDER, V. N.

"On The Enzyme Indices Of Blood During Anaphylaxis In Rabbits. Physico-Chemical Department (Chief: V. N. Shreder) Institute Of Experimental Biology (Director: N. K. Koltsov), Ministry Of Health." (p. 951) by Shutova, A. A.

SO: PREDECESSOR OF JOURNAL OF GENERAL BIOLOGY. (Biologicheskii Zhurnal) Vol. VII 1938, Nos 5-6

CA

11A

Physicochemical analysis of the physiology of the sperms of mammals. VIII. Artificial regulation of the sex of the progeny of mammals by cataphoresis and its biologic control. V. N. Shugart. *Bull. Acad. Sci. U. S. S. R., Ser. Biol.* 1946, 423-45 (in German, 445-7); cf. C. A. 33, 5421; and preceding abstr. - An elec. current sepd. the X- and Y-chromosomes; the sex of the progeny was 78% under control; the female resulting from the anode, and the male from the cathode sperms. The figure covers a 3-year period, and over 2000 descendants. High coeffs. of correlation were obtained with a Ring Z² soln. and glycine buffer, pH = 7.10, at 10 and 15°. The important factors were temp. and the ion compns. of the medium and sperms, that of the sperm depended on the season and the physiol. condition of the animal. This also influenced the sperm's movement in the elec. field; the magnitude of its charge, the clear-cut division and the attainment of a high percentage of the desired sex. Repeating the cataphoresis tended to improve the sepn. References. B. Gutoff

Inst. Cytology, Histology, Embryology, AS USSR

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

| 1ST AND 2ND ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | | 3RD AND 4TH ORDERS | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PROCESSES AND PROPERTIES INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | 11 F | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Q 4</p> <p>A physicochemical investigation of the physiology of mammalian spermatozoa. The nature of lipoids of rabbit spermatozoa migrating to the anode and to the cathode. V. Shredel. <i>Compt. rend. acad. sci. U. R. S. S.</i> 26, 1002-7 (1940) (in German). --Tests on immature or castrated white mice showed that the lipoid ext. of rabbit spermatozoa that migrate under electrophoresis to the anode and the cathode, resp., are differentiated by the biochem. and physiol. properties as well as by the presence of x- or y-chromosomes. The biochem. differences of the lipoids permit a sepn. of the cells in an elec. field, and thus make possible an application of electrophoresis as a method of artificial detn. of sex. 16 references.</p> <p>A. H. Krappe</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>1ST AND 2ND ORDERS</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SHREDER, V. N.

57/49T103

USSR/Medicine - Wounds and Injuries May/June 49
Medicine - Biochemistry

"Biochemistry of the Leucocyte and Wound," V. N.
Shreder, 17 pp

"Uspekhi Sovrem Biol" Vol XXVII, No 3

Studies biochemical role of leucocytes in the
process of the production of leucocytic trephones,
for the healing of wounds and regeneration of
tissue. Discusses leucocytes and traumatic foci
and the biochemistry of traumatic foci and
leucocytic trephones.

57/49T103

SHREDER, V.N.

"Determination Of Sex In Relation To Biochemistry And Physiology." (p.211) by
V.N. Shreda:

SO: Progress of Contemporary Biology (Usp. Sovrem. Biol.) Vol. XXVIII, 1949, No. 5
(4) (July-Aug.) Pt. 2

SHREDER, V.N. (Moskva)

Role of the metabolism of parents on the formation of sex in the
progeny. Usp.sovr.biol. 42 no.1:33-50 J1-Ag '55. (MIRA 9:10)
(METABOLISM) (SEX (BIOLOGY))

SHREder, V.N.

"Rate of Wound Healing and Biochemical Indices of Stimulation of an Organism With Leukocytic Sera," by V. N. Shreder, Trudy Instituta Morfologii Zhivotnykh i SSSR, (Works of the Institute of Animal Morphology, Academy of Sciences USSR), No 18, 1956, pp 45-64 (from Referativnyi Zhurnal -- Khimiya, Biologicheskaya Khimiya, No 3, 10 Feb 57, p 67, Abstract No 2815)

Intravenous administration of 24-hour leukocytic serum to rabbits hastened the process of wound healing by 30-35% in comparison with controls; 48-hour serum had a lesser effect and 72-hour serum had the lowest stimulatory effect on wound healing. The oxidative activity of the blood during the action of 24-hour serum was increased from the 1st to the 18th day; 48-hour serum, between the 9th and 18th day; and in the case of 72-hour serum, by the 18th day. (U)

SHREDER, V. N.

"Alkaline Phosphatase and Oxidative Activity of the Blood of Rabbits in Wound Healing Under the Influence of Leukocytic Sera," by V. N. Shreder, Trudy Instituta Morfologii Zhivotnykh AN SSSR (Works of the Institute of Animal Morphology, Academy of Sciences USSR), No 18, 1956, pp 65-81 (from Referativnyy Zhurnal -- Khimiya, Biologicheskaya Khimiya, No 3, 10 Feb 57, p 67, Abstract No 2817)

"Intravenous and subcutaneous administration of 24- and 48-hour leukocytic serum to experimental animals noticeably increases oxidative activity of blood serum and slightly increases the activity of alkaline phosphatase. The administration of 72-hour serum, on the other hand, markedly increases the activity of the alkaline phosphatase of the blood but only slightly changes the oxidative activity of blood serum. Native serum only slightly affects oxidative processes, but markedly decreases the activity of alkaline phosphatase." (U)

SHREDER, V.N.

SHREDER, V.N.

Metabolism of the progenitors and the origination of sex in the progeny as influenced by certain ingredients added to the food ration of animals [with summary in English]. Zhur.ob.biol. 18 no.4:249-262 J1-Ag '57. (MLRA 10:9)

1. Institut morfologii zhivotnykh AN SSSR.
(SEX—CAUSE AND DETERMINATION) (METABOLISM)
(FEEDING AND FEEDING STUFFS)

AUTHOR: Shreder, V.N., Professor SOV-26-58-8-21/51

TITLE: Sex Determination in Animals on a Biochemical Basis (Biokhimicheskaya osnova opredeleniya pola u zhivotnykh)

PERIODICAL: Priroda, 1958, Nr 8, pp 92-94 (USSR)

ABSTRACT: The determination of sex is one of the most complicated biochemical problems. In the artificial fertilization of rabbits it has been shown that a part of the semen is attracted by the anode of an electric circuit, another by the cathode. Fertilization by "anode" spermatozoa produced 75% females, "cathode" spermatozoa 80 - 90% males. If the anode sperms were introduced into the blood, an immunization took place. Antibodies were formed and the animals fertilizing normal females had 85 - 90% males in their descendants. In swine the percentage was not so high attaining only 65 - 68%. Further research has shown that the prevalence of oxidizing processes in the metabolism causes male descendants, reduction processes female descendants. The oxidizing processes were induced by feeding vitamins (ascorbic and nicotinic acids), the reduction processes by methylthiouracyl in various combinations with glucose. The oxidation and reduction processes had the same result like immunization. In chickens

Card 1/2

SOV-26-58-8-21/51

Sex Determination in Animals on a Biochemical Basis

the same results could be obtained with 78% of female birds.
The phosphor metabolism also plays a role in this problem.

ASSOCIATION: Institut morfologii zhivotnykh imeni A.N. Severtsova Akademii nauk SSSR (Institute of Morphology of Animals imeni A.N. Severtsev of the USSR Academy of Sciences)

1. ~~Sex--Determination~~
2. ~~Metabolism--Physiological effects~~
3. ~~Anodes--Applications~~
4. ~~Cathodes--Applications~~

Card 2/2

SHREDER, V.N.

Activity of phosphatases and nucleic acids in leucocytic sera.

Trudy Inst. morf. zhiv. no.26:110-125 '59 (MIRA 13:3)

(Phosphatase) (Nucleic acids) (Ascorbic acid)
(Serum)

SHREDER, V.N., professor, doktor biologicheskikh nauk

Regulation of sex in animals. Biol. v shkole no.3:65-69 My-Je '60.
(MIRA 13:7)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
(Sex (Biology))

SHREDER, V.N., prof., doktor biolog.nauk

Physiological and biochemical basis of the formation of sex in
animals. Zhivotnovodstvo 22 no.2:66-74 F '60. (MIRA 15:11)

1. Institut morfologii zhivotnykh imeni A.N.Severtseva AN SSSR.
(Veterinary physiology) (Sex (Biology))

SHREDER, V.N.

Change in the activity of phosphatase in leucocytic sera and in
leucocytes following the preliminary action of X rays. Trudy Inst.
morf.zhiv. no.36:104-113 '61. (MIRA 14:4)

(Phosphatase) (X rays—Physiological effect)
(Leucocytes)

SHREDER, V.N.

Effect of ionizing radiation on nuclein metabloism in male germ cells with regard to the development of male and female individuals in the progeny. Dokl. AN SSSR 140 no.3:713-715 S '61. (MIRA 14:9)

1. Predstavleno akademikom N.M.Sisakyanom.
(X RAYS--PHYSIOLOGICAL EFFECT) (SPERMATOZOA) (SEX (BIOLOGY))

40090

S/020/62/145/004/024/024

B144/B101

27.1220

AUTHOR: Shreder, V. N.

TITLE: X-ray induced biological changes in the sperms and blood of rabbits (with regard to the preponderance of male offspring)

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 4, 1962, 926 - 928 *f*

TEXT: The author's previous studies (DAN, 140, no. 3, 713 (1961); Sborn. Izd. Gos. komit. Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii (Collection of Publications of the State Committee of the Council of Ministers for the Use of Atomic Energy), 1961) are continued on groups of 20 male rabbits investigated to determine: (1) the cytochrome oxidase activity in the sperms, and (2) the behavior of (A) alkaline phosphatase, (B) DNA, (C) RNA, and (D) oxidative activity (oxidation time of thionine leucobase by the serum) in the blood. The animals were subjected to 250 r whole-body irradiation or to 75 r irradiation of the testes. 1) Copulation of these bucks with nonirradiated does resulted in a preponderance of male progeny up to 81% and 73% after whole-body and local irradiation, respectively. The increase in cytochrome oxidase activity was similar in both groups.

X-ray induced biological changes...

S/020/62/145/004/024/024
B144/B101

2) The results (Table 2) are compared with the changes observed earlier in the nuclein metabolism of the sperms. Further tests revealed that the effect of 250 r whole-body irradiation on oxidative activity and nuclein metabolism was identical in the blood of bucks and does. 75 r local irradiation of the gonades produced irreversible sterilization of the females; whereas the testes were resistant even to much higher doses. There are 1 figure and 2 tables.

ASSOCIATION: Institut morfologii zhivotnykh im. A. N. Severtsova Akademii nauk SSSR (Institute of Animal Morphology imeni A. N. Severtsov of the Academy of Sciences USSR)

PRESENTED: February 2, 1962, by N. M. Sisakyan, Academician

SUBMITTED: January 29, 1962

LC1E7

S/020/62/145/005/020/020
B144/B138

27, 122
AUTHOR: Shreder, V. H.

TITLE: Effect of ionizing radiation on the nucleic acid metabolism in the organism of females as regards the male-to-female ratio in their progeny

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 5, 1962, 1160-1162

TEXT: Alkaline phosphatase (P), DNA, RNA, and oxidative activity were determined in 30 normal rabbit does and in 30 animals subjected in subgroups to wholebody irradiation with (a) 50 r and (b) 250 r, and to local irradiation of the ovaries with (c) 25 r and (d) 75 r. Ten days after (b) and (d), increase of DNA and RNA and decrease of oxidative activity were observed in the blood of both groups, while the P content dropped significantly after general but rose after local exposure. On mating with normal bucks 14 days after irradiation, fertility was normal in (a) and (c) with a significant preponderance of male offspring ($> 80\%$ as compared to 48% in

Card 1/2

S/020/62/145/005/020/020
B144/B138

Effect of ionizing radiation ...

the controls), but strongly affected in (d) where irreversible sterility may occur; in (b) the percentage of males in the progeny was 100%. In this last group, the term of insemination is decisive; intervals of 18 and 26 days resulted in stillborn females or miscarriages, while fertility was restored from 45 days onward with a percentage of male offspring decreasing slowly from 94%. There are 2 tables.

ASSOCIATION: Institut morfologii zhivotnykh im. A. N. Severtsova Akademii nauk SSSR (Institute of Animal Morphology imeni A. N. Severtsov of the Academy of Sciences USSR)

PRESENTED: February 2, 1962, by N. M. Sisakyan, Academician

SUBMITTED: January 29, 1962

Card 2 /2

SHREDER, V.N.

Biochemical changes in the spermatozoa and blood of rabbits following irradiation (in connection with a numerical predominance of male progeny). Dokl. AN SSSR 145 no. 4: 926-928 Ag '62.
(MIRA 15:7)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
Predstavleno akademikom N.M. Sisakyanom.

(X RAYS—PHYSIOLOGICAL EFFECT) (SEX (BIOLOGY))

SHREDER, V.N.

Effect of ionizing radiation on nucleic acid metabolism in the
organism of females in connection with the development of male
and female descendants among their progeny. Dokl. AN SSSR 145
no. 5:1160-1162 '62. (MIRA 15:8)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
Predstavleno akademikom N.M. Sisakyanom.
(NUCLEIC ACID METABOLISM) (X RAYS--PHYSIOLOGICAL EFFECT)
(SEX (BIOLOGY))

SHREDER, V.N.

Biochemistry of nucleic acid metabolism of spermatozoa in
relation to the problems of sex determination in mammals.
Izv. AN SSSR Ser. biol. 28 no.4:555-561 J1-Ag'63

(MIRA 16:11)

1. Institute of Animal Morphology, Academy of Sciences of
the U.S.S.R., Moscow.

*

BORSUK, R.A., red. (Moskva); BOCHAROV, Yu.S., red. (Moskva);
GINZBURG, A.S., red.; YEMEL'YANOV, S.V., red.; LANGE,
A.B., red.; LARIONOV, V.F., red.; MANUILOVA, N.A., red.;
MATVEYEV, B.S., red.; PODDUBNAYA-ARNOL'DI, V.A., red.;
POTEMKINA, D.A., red.; TRANKOVSKIY, D.A., red.; USTINOVA,
Ye.I., red.; SHMIDT, G.A., red.; SHREDER, V.N., red.;
NECHAYEVA, Ye.G., red.

[Problems in modern embryology] Problemy sovremennoi embrio-
logii. Moskva, Izd-vo Mosk. univ., 1964. 565 p.
(MIRA 17:5)

SHREDER, Vera Nikolayevna

[Physiology and biochemistry of the origin and regulation of sex in animals] Fiziologiya i biokhimiya vozniknoveniya i regulatsii pola i zhivotnykh. Moskva, Nauka, 1965. 137 p. (MIRA 18:3)

SHREEDER, V.V.

Rivers used for irrigation in the Tajik S.S.R. Izv. Otd. est.
nauk AN Tadzh. SSR no.1:103-119 '59. (MIRA 13:3)

1. Institut vodnykh problem AN Tadzhikskoy SSR i Institut
"Tadzhikgiprovodkhoz".
(Tajikistan--Rivers) (Tajikistan--Irrigation)

SHREDER, V. V.

Cand Tech Sci - (diss) "Method of designing lake type sedimentation tanks." Stalinabad, 1960. 16 pp with plans; (Ministry of Water Economy of the Tadzhik SSR, Tadzhikgiprovodkhoz); 150 copies; price not given; (KL, 5-61 sup, 195).

SHREDER, V.V., inzh. (g.Stalinabad); SHCHEGOLEV, O.A., inzh. (g.Stalinabad)

Chamber-type pumping station of economic design. Gidr. i mel.
13 no.6:25-27 Je '61. (MIRA 14:6)
(Pumping stations)

—SHREDER, Yu.V., inzh.

Use of precast reinforced concrete in plans for the hydroelectric
power stations on the Dnieper River. Energ. stroi. no.20:16-22
'61. (MIR 531)
(Dnieper Valley--Hydroelectric power stations--Precast concrete
construction)

SHREDER, Yu.V., inzh.

New problem solutions for the Kremenchug Hydroelectric Power Station
project. Energ.stroi. no.23:42-47 '61. (MIRA 15:1)

1. Glavnyy inzh. proyekta Kremenchugskoy gidroelektrostantsii.
(Kremenchug Hydroelectric Power Station--Design and construction)

S H R E D N I K

109-5-21/22

AUTHOR:

YELINSON, M.I., YASNOPOL'SKAYA, A.A.

TITLE:

Interdepartmental Seminar for Cathode Electronics. (Mezhduvedomstvennyy seminar po katodnoy elektronike, Russian)

PERIODICAL:

Radiotekhnika i Elektronika, 1957, Vol 2, Nr 5, pp 666-668 (U.S.S.R.)

ABSTRACT:

At the 4. meeting held on the 4.3.1957 lectures were delivered on the autoelectron emission.

- 1.) M.I.YELINSON showed that the present conceptions concerning the molter effect process are not able to explain all known experimental facts. The lecturer suggested a new point of view (explained in detail in Radiotekhnika i Elektronika, 1957, Vol 2, Nr 1, p 75), which is based on an assumed essential heterogeneous potential distribution within the dielectric plate.
- 2.) V.N.SHREDNIK dealt with measurements carried out concerning the zirconium work function in tungsten.
- 3.) A.S.SOBOLEVA spoke about the investigation of autoelectron emission in dependence on hydrogen pressure in a device consisting of a flat anode and a conical or semispherical cathode.
- 4.) V.A.SIMONOV investigated the discharge process in the vacuum in the presence of a subignition spark.

Card 1/2

109-5-21/22

Interdepartmental Seminar for Cathode Electronics.

- 5.) I.N.SLIVKOV described the investigation of breakdown in the vacuum in the case of flat and spherical steel electrodes.
- 6.) A.I.KLIMIN reported on the investigations in the electron projector.
- 7.) G.A.BOGDANOVSKIY spoke about the measuring of resistance on a tungsten contact when opening the electrodes.

ASSOCIATION:
PRESENTED BY:
SUBMITTED:
AVAILABLE:

Not given
25.3.1956
Library of Congress

Card 2/2

SHREDNİK, V.N.

Distr: 4E26

13716

INVESTIGATION OF THE ALLOTROPIC TRANSFORMA-

TION $\alpha \rightarrow \beta$ Zr WITH THE AID OF AN ELECTRONIC

PROTECTOR A. P. Kozlov and V. N. Shrednik (Academy

of Sciences, USSR) Soviet Phys. JETP 5, 127-9 (1967)

Aug